

Selective Bi-coordinate variations for network equilibrium problems with mixed demand

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© Springer International Publishing AG, part of Springer Nature 2018. In the present paper, we propose a modification of the method of bi-coordinate variations for network equilibrium problems with mixed demand. This method is based on the equilibrium conditions of the problem under consideration. It uses a special tolerance control and thresholds for constructing descent directions and a variant of the Armijo-type line-search procedure as a rule of step choice. Some results of preliminary numerical calculations which confirm efficiency of the method are also presented.

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Keywords

Bi-coordinate variations, Mixed demand, Network equilibrium

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